Yorkshire Dales National Park

Forecast valid from 00:00 on Saturday 27 Mar 2021 until 23:59 on Sunday 28 Mar 2021

Forecast Issued on Friday 26 Mar 2021 at 16:56

Confidence: High for cold, showery conditions on Saturday morning giving way to milder conditions with periods of rain through into midweek, although some uncertainty over duration and intensity of rain due to doubts over position of a slow moving frontal system over the northern UK.

Headline for Saturday 27 Mar 2021: Cold with early snow showers, then milder with rain and increasing winds later.

Mountain weather hazards on Saturday 27 Mar 2021

Blizzards
Low Likelihood

Heavy Snow
Low Likelihood

Storm force winds
No Likelihood

Gales
Medium Likelihood

Severe chill effect
Medium Likelihood

Poor visibility
Low Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
Low Likelihood

Strong sunlight
Low Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Heavy snow showers (night)	Light snow showers (night)	Partly cloudy (night)	Sunny intervals	Sunny intervals	Sunny intervals	Light rain	Heavy Rain
Precipitation probability							
30%	30%	20%	20%	<05%	<05%	60%	80%

Forecast for Saturday 27 Mar 2021

Weather: Clear spells and occasionally heavy snow showers through the early hours, with lying snow drifting in the strong winds, especially over higher summits. Snow showers die out through the morning to leave some good spells of sunshine through the middle of the day. However cloud above the summits increases through the afternoon with outbreaks of occasionally heavy rain, falling briefly as sleet or wet snow on higher summits, spreading east in the late afternoon, then persisting through the evening.

Chance of cloud free mountain/hill tops above 600m: Around 40% at dawn improving to close to 100% by late morning. Chances fall to near zero through the late afternoon and evening.

Visibility: Occasional or periods of cloud above 600m at first lifting above the summits by late morning. Cloud thickens and lowers through the late afternoon to become periods or persistent cloud above 450-600m with patches below. Away from cloud visibility very good or excellent falling to just a few kilometres in light snow showers and heavy rain, a kilometre or so in heavier snow showers and near zero in any drifting snow.

Forecast for Saturday 27 Mar 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	26/39 W	22/33 W	21/30 W	21/31 W	21/33 W	22/33 SW	24/37 SW	29/45 SW	32/50 SW
300	17/35 W	14/30 W	13/28 W	15/30 W	16/31 W	15/29 SW	15/32 SW	18/38 SW	20/43 SW
Valley	13/30 W	11/24 W	9/21 W	14/28 W	15/29 W	14/27 SW	13/29 SW	16/35 SW	19/40 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-2/-10	-2/-10	-2/-9	-0/-7	1/-5	2/-4	2/-4	3/-4	3/-4
300	0/-5	0/-6	1/-5	2/-3	5/0	5/1	5/1	5/0	6/1
Valley	2/-2	2/-2	2/-2	4/-0	6/2	6/3	6/3	7/3	7/3
Freezing Level*	300m	200m	300m	400m	500m	600m	900m	1100m	1300m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Conditions best through the middle of the day, but windy with a significant chill effect and drifting snow over higher hills.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Fri 26 Mar 2021	4.4mm	8.8mm	10.8mm

Forecast for Sunday 28 Mar 2021

Weather: Cloudy with persistent and occasionally heavy rain. The rain perhaps turning lighter and less persistent for a time around the middle of the day, with some brighter spells across eastern hills, and then again later in evening.

Maximum wind: Southwesterly 35-45mph, gusts around 70mph over ridges and summits, decreasing 30mph, gusts 50mph, for a time through the middle of the day.

Chance of cloud free mountain/hill tops above 600m: Little chance, perhaps improving to 40% for a time around the middle of the day.

Visibility: Periods or persistent cloud above 450m and patches below, perhaps becoming occasional or periods above 600m for a time around the middle of the day.

Temperature: **Valleys:** Around plus 6 rising to plus 13 Celsius by day
At 600m: Around plus 3 rising to plus 6 Celsius
Freezing level: Above summits.